

Datasheet for 100-401-224**c-Myc Antibody****Overview**

Description:	Anti-c-Myc (RABBIT) Antibody - 100-401-224
Item No.:	100-401-224
Size:	100 µL
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	c-myc is involved in the control of cell proliferation and differentiation at the transition from S --> G ₁ phase for a normal cell. Translocation of the c-myc locus on chromosome 8 to the immunoglobulin loci on chromosome 14 (heavy chain); 2 (k light chain); or 22 (l light chain) is described in Burkitt's lymphoma and other B-cell lympho-proliferative conditions. An aberrant expression of the c-myc gene occurs in tumors of different origins such as colorectal, gastric, gallbladder, hepatic, mammary, ovarian, endometrial, head and neck, pulmonary, prostatic, thyroidal, oral, ocular, nasopharyngeal, endocrine, as well as hematopoietic neoplasms. Abnormal expression can take many forms including transduction, insertional activation, translocation, and amplification.
Synonyms:	rabbit anti-c-Myc Antibody, Myc proto-oncogene protein antibody, Proto-oncogene c-Myc antibody, Transcription factor p64 antibody, Class E basic helix-loop-helix protein 39 antibody, Proto-oncogene c-Myc
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	c-Myc
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	This whole rabbit serum was prepared by repeated immunizations with c-myc peptide corresponding to amino acids KHKLEQLRNSGA which map to the last 12 amino acids of the mouse
Purity/Specificity:	This antiserum is directed against human c-myc and is useful in determining its presence in various assays. Anti-c-myc is highly specific for c-myc and shows no cross-reaction with N-myc or L-myc proteins.
Relevant Links:	<ul style="list-style-type: none">• UniProtKB - P01108• NCBI - NP_001170823.1• GenelD - 17869

Application Details

Tested Applications:	WB
Application Note:	Anti-c-myc has been tested by western blot. This antibody reacts with human and mouse c-myc protein, which is a nuclear protein with a molecular weight of approximately 66 kDa. This antiserum detects c-myc by immunoblotting assays in both overexpressed and endogenous systems. Reactivity in other immunoassays has not yet been fully determined although perinuclear and cytoplasmic staining has been reported. The recommended positive controls are SK-BR-3 cells (adenocarcinoma, breast, malignant pleural effusion, human).
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:50,000
WB:	1:500- 1:2,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	85 mg/mL by Refractometry
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

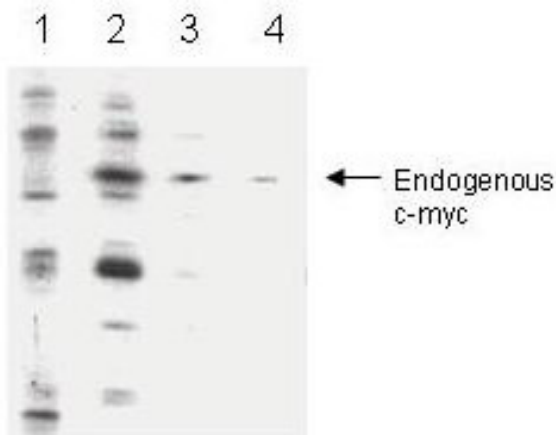
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

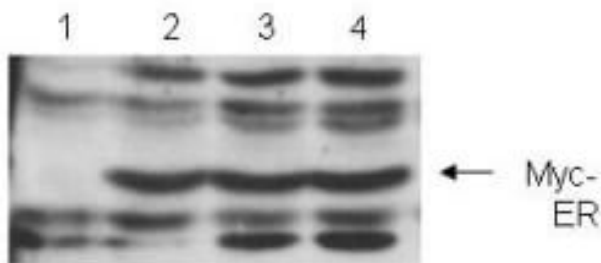
Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Anti-c-myc is shown to detect c-myc in infected cells (lanes 2 -4) showing a 66 kDa band. No band specific staining is observed in uninfected cells (lane 1). Detection occurs using a 1:250 dilution of antibody followed by 1:2,000 dilution of HRP Goat-a-Rabbit with visualization via ECL. Film exposure approximately 1'. Other detection systems will yield similar results.



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Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.